

# **“Transport & Climate Change - European Researchers Act”**

**A workshop organised by**  
*ETRA - European Transport Research Alliance*  
&  
*IFSTTAR - Institute of Science and Technology for Transport,  
Development and Networks - France*

**Held in conjunction with the CFCC-2015 Conference:  
“Our Common Future under Climate Change” - Paris, July 7-10, 2015**

**Date: Monday, July 6th 2015**

**Venue: Paris, IFSTTAR offices, Auditorium,  
PARIS, 14-20, Boulevard Newton, Cité Descartes, Champs sur Marne - 77447 Marne la Vallée  
**Metro : RER line A, Direction Marne-la- Vallée, Station Noisy-Champs  
(Exit no. 3 : Cité Descartes)****

## **WORKSHOP OUTLINE AND PROGRAMME**

### **Objectives of the workshop**

The *European Transport Research Alliance – ETRA*, as an Organisation encompassing as partners five European Associations with members involved in different aspects and areas of Transport research. The ETRA, recognizing the horizontal nature of the impacts of climate change on the Transport system, is organising this one day Workshop in Paris (on July 6<sup>th</sup>, 2015) in cooperation with the French Transport research Organisation IFSTTAR, and in parallel to the “*Our Common Future under Climate Change - CFCC-2015*” Conference<sup>1</sup>, also held in Paris from July 7<sup>th</sup> – 10<sup>th</sup> 2015.

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<sup>1</sup> This Conference takes place as a preparatory event to the December [COP21](#) Paris Meeting (the 21st session of the Conference of the Parties of the UN/FCCC ) and is aimed to:

- a. 1 - Provide state-of-the-art scientific knowledge on climate change, one year after the release of the IPCC AR5: physical basis of climate change, impacts, adaptation and vulnerability, mitigation, storylines and scenarios.
- b. 2 - Explore a wide range of pathways combining climate change mitigation and adaptation, and sustainable development.
- c. 3 - Assess the potential for evidence-based solutions to climate change challenges.
- d. 4 - Contribute to a science-society dialogue.

The aims of this one-day Workshop can be summarized as follows:

1. Highlighting some key results of current transport research, related to climate change.
2. Advising on the practical steps towards adaptation and mitigation actions in the short to medium term in the field of Transport.
3. Recommending the necessary policy actions at European level.
4. Providing a concise overview of the research being developed throughout Europe in the field of transport and with respect to climate change issues.
5. Identifying needs for future research on transport and climate change adaptation or mitigation issues.

The presentations will cover the whole spectrum of Transport modes and will focus on presenting research results and solutions that the European research community proposes as regards the role and interactions of the transport system with the climate change phenomenon. It will also focus on how to move from research to implementation in a constrained funding environment and time frame.

Through this workshop, the organisers intend to show the added value that can be accrued from a multidisciplinary research in tackling our transport problems and the need to adapt any solutions to real societal needs and demands. It will also demonstrate the greater synergies that can be achieved through the collaborative research approach adopted by the ETRA partners on the transport transversal issues and transport related global challenges.

## **Format**

There are three Sessions foreseen with discussion period at their end, and one Round Table discussion at the end during which a wrap up report will be made, by a nominated rapporteur, on the results of the previous Sessions as well as a conclusions statement including future research needs and available implementation tools.

The audience of the Workshop is expected to consist primarily of researchers, research managers, and transport administration officials involved or interested in climate change issues.

## **Participation**

Participation in this Workshop is free of registration charges, but prior registration is necessary (to be done via the site: <http://goo.gl/gdH4jQ>).

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## Final Programme

Time	Sessions and Themes
09.00 - 09.30	Welcome coffee and registration
<b>Session I: Introduction and horizontal issues</b> <i>Chair: George A. Giannopoulos, Director HIT/CERTH, chairman ETRA</i>	
09.30 - 11.00	<ul style="list-style-type: none"> <li>a. "Introduction, Aims of the Workshop and main issues" (chair)</li> <li>b. "Transport issues on the United Nations Framework Convention on Climate Change", Ms. <b>Helene Jacquot-Guimbal</b>, Director General IFSTTAR, Vice chair of ETRA</li> <li>c. "European Climate Change and Transport, Policy Review", Mr. <b>Andrea TILCHE</b>, Head of Unit, I4 – Climate Action and Earth Observation, DG Research &amp; Innovation</li> <li>d. "Climate Change research and policy making in the US", Dr. <b>John Munro</b>, University of Maryland</li> </ul> <p style="text-align: center;">- DISCUSSION</p>
<b>Coffee break – 30 minutes</b>	
<b>Session II: Transport mitigation issues</b> <i>Chair: Julien Allaire, CODATU Secretary General</i>	
11.30 - 13.00	<ul style="list-style-type: none"> <li>a. "Guidance for climate-proofing project planning", <b>Markus Leitner</b>, Environment Agency, Austria</li> <li>b. "Transport infrastructures GHG assessment around the world: a way towards mitigation", <b>Agnès Jullien</b>, IFSTTAR, France</li> <li>c. "Intelligent Transport Systems for the mitigation of climate change induced impacts", <b>Iraklis Stamos</b>, Hellenic Institute of Transport, Greece</li> <li>d. "Climate Change: New challenges for economic analysis", <b>Ariane Dupont-Kieffer</b>, Université Paris 1 - Panthéon-Sorbonne, France</li> </ul> <p style="text-align: center;">- DISCUSSION</p>
<b>Lunch Break – 1h</b>	

### **Session III: Transport adaptation issues**

**Chair: Helene Jacquot-Guimbal, Director General IFSTTAR**

**14.00 -  
16.00**

- a. "Adaptation of Transport to climate change in Europe: Main findings of the EEA report 8/2014", **Angel Aparicio**, UPM, Spain
  - b. "European Transport Research results on Climate Adaptation issues", **E. Mitsakis**, Hellenic Institute of Transport
  - c. "Impact of extreme weather events on the transport system: a test case study for Zurich, Switzerland", **Heyndrickx Christophe**, Transport and Mobility Leuven, Belgium
  - d. "Rail transport adaptation measures", **David Jaroszweski**, Centre for Railway Research and Education University of Birmingham, United Kingdom
  - e. "How the Forever Open Road responds to the challenges of climate change faced by the European transport system?" **Nicolas Hautière**, IFSTTAR, France
- **DISCUSSION**

**16.00 – 17.30**

### **Session IV: Round Table Discussion**

**Future needs for European Transport Research on climate change issues**

**Chair: Mr. Geoffroy Caude,**

**Chairman PIANC (Permanent International Association of Navigation Congresses)**

#### **Panel of experts:**

*Markus Leitner (EA-Austria), Julien Allaire (Codatu), Patrick Mallejacq (Ifsttar), Thierry Goger (Fehrl), Angel Aparicio (ECTRI), M. Chevreuril (Egis SA), El Miloudi El-Koursi (EURNEX)*

**17.30 -  
17.40**

**Conclusions and Wrap up**

The **European Transport Research Alliance – ETRA**, is a partnership Organisation created, on September 20th 2012, by five Transport Research Associations: ECTRI (*European Conference of Transport Research Institutes*), EURNEX (*European rail Research Network of Excellence*), FEHRL (*Forum of European National Highway Research Laboratories*), FERSI (*Forum of European Road Safety Institutes*), and HUMANIST (*Human centered design Network for Information Society Technologies*).

ETRA's strategic objective is, to: *“work towards promoting further cooperation, coordination of activities, and common focus in European transport research provision, as part of the process and in full alignment with the objectives of creating the European Research Area in the field of Transport”*.

For further info on ETRA: [www.etralliance.eu](http://www.etralliance.eu)

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